

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an Intersection Control Beacon at the intersection of US 50 (George Washington Hwy) and US 219 (Garret Hwy) in Garret County. The Intersection Control Beacon shall have a new cabinet and metered pedestal electrical service. Traffic signal heads shall be upgraded to LED traffic signal heads.

Additionally, there are two Hazard Identification Beacons (HIB) located north and south of the intersection along US 219 (Garret Hwy). Each HIB shall be replaced with a new HIB pedestal, LED signal heads and metered pedestal service. US 50 (George Washington Hwy) is assumed to run an east-west direction.

II. INTERSECTION OPERATION

- The intersection shall continue to operate in a NEMA flashing mode, with the US 50 (George Washington Hwy) approaches continuously flashing "Yellow". The US 219 (Garret Hwy) approaches shall continuously flash "Red". The HIB's along US 219 (Garret Hwy) shall continuously flash "Yellow".
- A full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "5" pole-mounted cabinet shall be installed at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by the S.H.A. Signal Shop. Contact Mr. Ed Rodenhizer at (410) 787-7650 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #6 are as follows:

Mr. George Small
Assistant District Engineer - Traffic
Phone: (301) 729-8444

Mr. Tony Crawford
Assistant District Engineer - Maintenance
Phone: (301) 729-8457

Mr. Dave Felker
Assistant District Engineer - Utility
Phone: (301) 729-8439

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Chief, Signal Operations Section
410-787-7652

Mr. Sonny Bailey
Chief Sign Shop
410-787-7676

The power company representative is:

Mr. Jeff Thompson
Allegheny Power
421 East Patrick Street
P.O. Box 488
Frederick, MD 21705
301-694-4485

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9012	2-circuit flasher unit with a photo cell	2 EA
9037	Cabinet "G" type - pole mount	2 EA
9042	Controller ASC II with telemetry	1 EA
9043	Controller cabinet, size "5"	1 EA
9571	Sheet aluminum signs to consist of: (mast arm or pole mount) W3-1a "Stop Ahead (symbolic)" sign, (36" x 36")	18 SF 2 EA

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
2002	Test Pit Excavation	3 C.Y.
5003	Removal of existing permanent marking letter, symbols, arrows and numbers.	18 L.F.
5006	Heat applied permanent preformed thermoplastic pavement marking letters.	18 EA
8001	12" LED signal head section.	12 EA
8009	Breakaway Pedestal pole (14').	2 EA
8011	Conduit bend in existing foundation, (any size)	1 EA
8022	Remove and dispose of existing material and equipment per assignment.	1 EA
8033	Disconnect, pull back and reroute cable.	10 L.F.
8035	Schedule 80 rigid PVC conduit up to 4" - slotted.	130 L.F.
8036	Schedule 80 rigid PVC conduit up to 4" - trenched.	120 L.F.
8040	Install overhead or ground mounted sign (including hardware).	18 S.F.
8042	No. 6 AWG stranded bare copper ground wire.	50 L.F.
8044	Metered service pedestal embedded.	3 EA
8046	Electrical cable 1-conductor No. 4 AWG THHN/THWN.	290 L.F.
8048	Furnish and install electrical handhole.	3 EA
8056	Electrical cable - 3 conductor (No. 14 AWG).	60 L.F.
8064	Install controller and cabinet pole mount.	3 EA

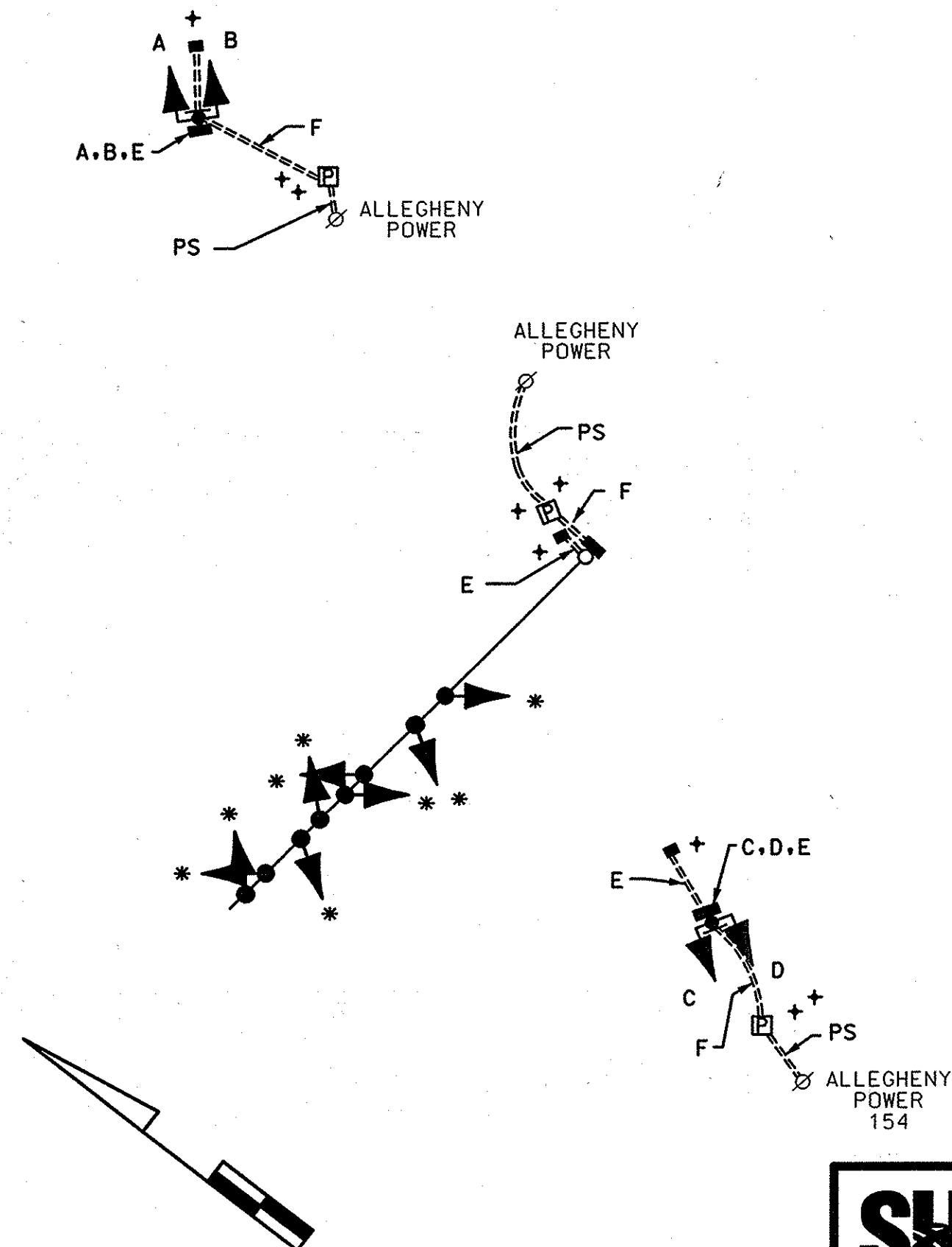
C. EQUIPMENT TO BE REMOVED

All removed signal materials are to become property of the contractor.*

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(R)	(R)	(Y)	(Y)	(R)	(R)
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY	
(A)	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
(B)	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
(C)	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
(D)	3-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
(E)	STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
(F)	3-1 CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.)
(PS)	PROPOSED UNDERGROUND SERVICE TO BE INSTALLED BY ALLEGHENY POWER
(+)	GROUND ROD

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
US 50 AND US 219 REDHOUSE, MARYLAND	
GENERAL INFORMATION SHEET	
SCALE NONE	DATE 6/24/08 CONTRACT NO. AX1425185
DESIGNED BY JWA	COUNTY GARRETT
DRAWN BY RC	LOGMILE
CHECKED BY	TMS NO. 1959
F.A.P. NO.	TOD NO.
TS NO. 388C	DRAWING NO. 2 OF 2 SHEET NO. OF

